EV30 024 562 US

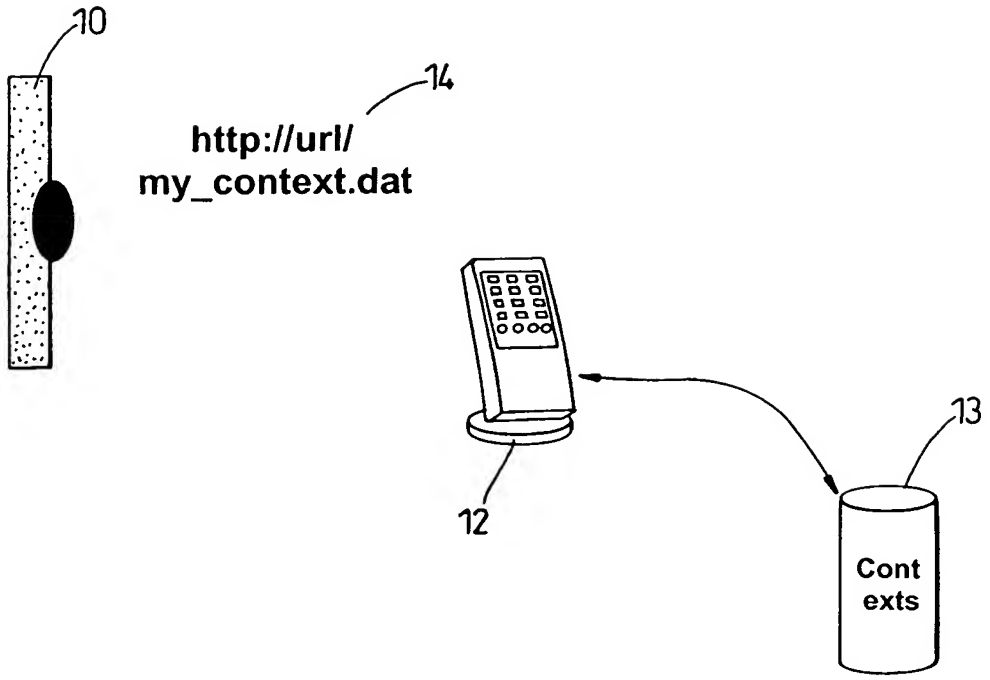


Fig. 1

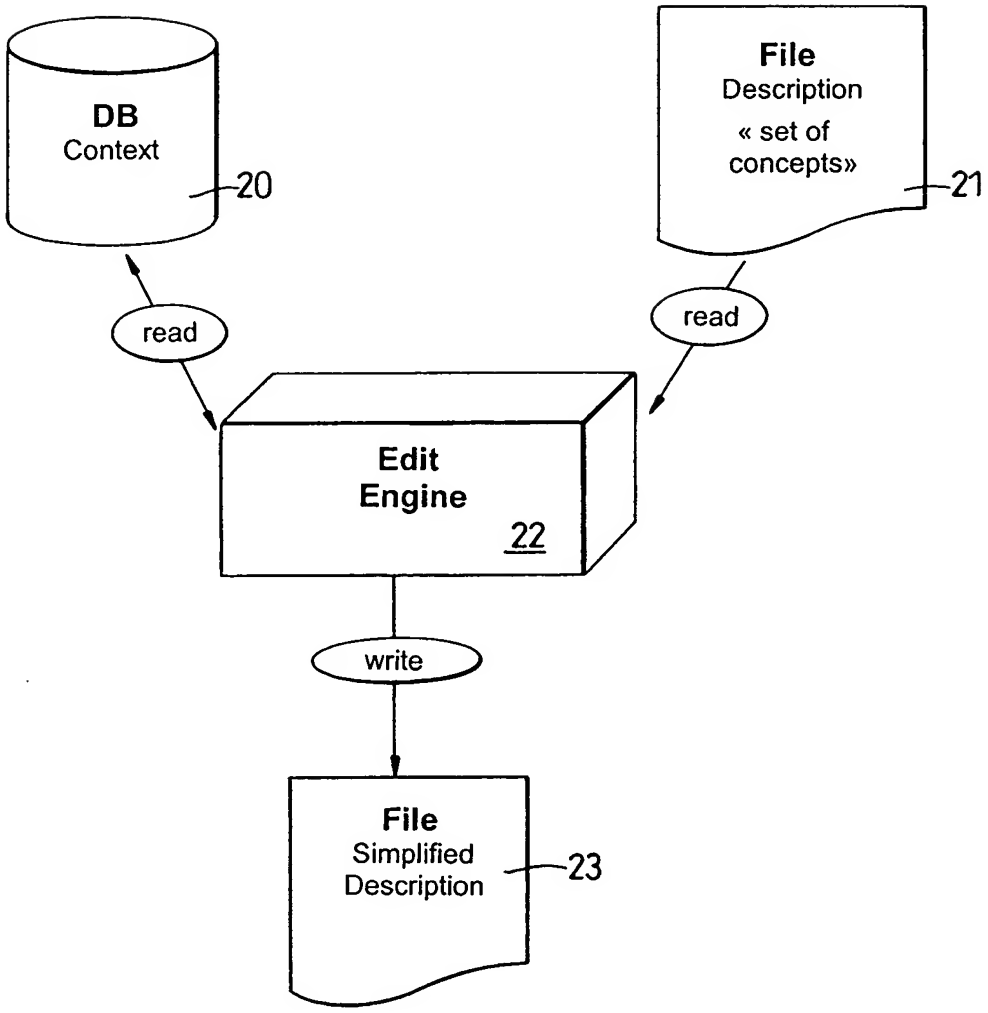

DB
Context
20
File
Description
« set of
concepts»
21
read
read
Edit
Engine
22
write
File
Simplified
Description
23

Fig. 2

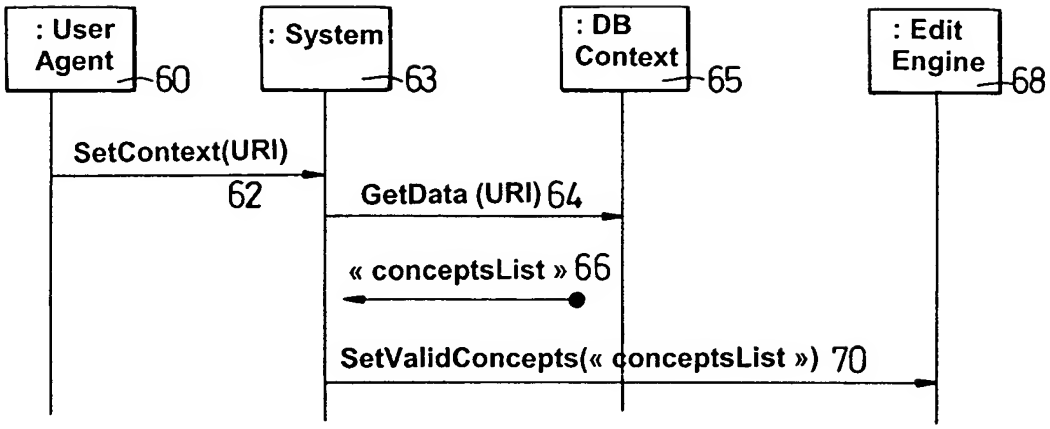

: User Agent
60
: System
63
: DB Context
65
: Edit Engine
68
SetContext(URI)
62
GetData (URI) 64
« conceptsList » 66
SetValidConcepts(« conceptsList ») 70

Fig. 3

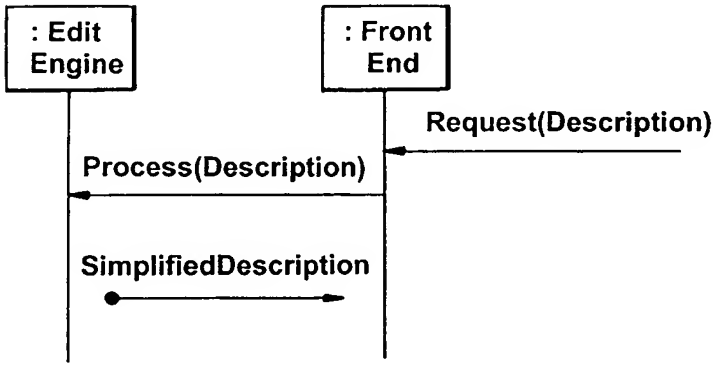

: Edit Engine
: Front End
Request(Description)
Process(Description)
SimplifiedDescription

Fig. 4

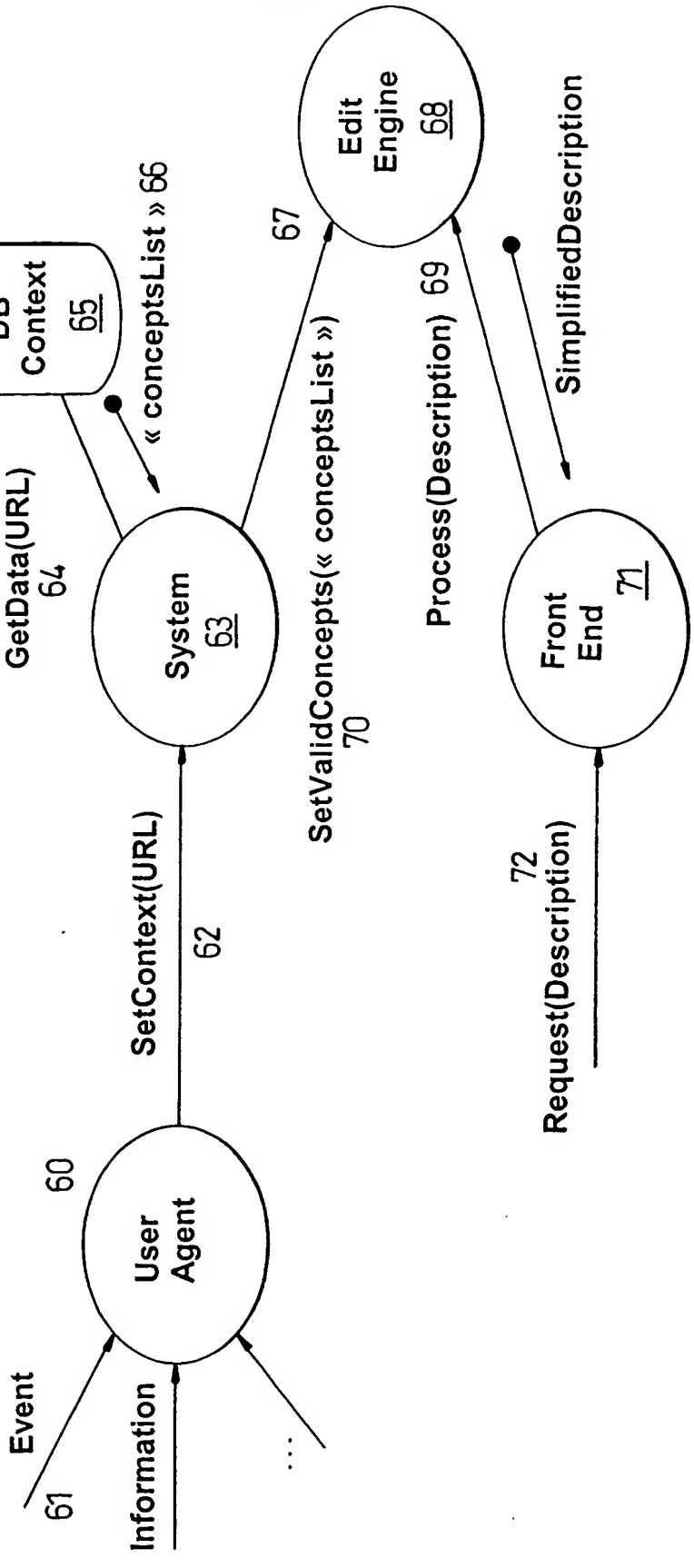

Event
61
Information
60
User Agent
SetContext(URL)
62
GetData(URL)
64
DB Context
65
« conceptsList » 66
System
63
SetValidConcepts(« conceptsList »)
70
67
Edit Engine
68
Process(Description)
69
SimplifiedDescription
Front End
71
72
Request(Description)

Fig. 5

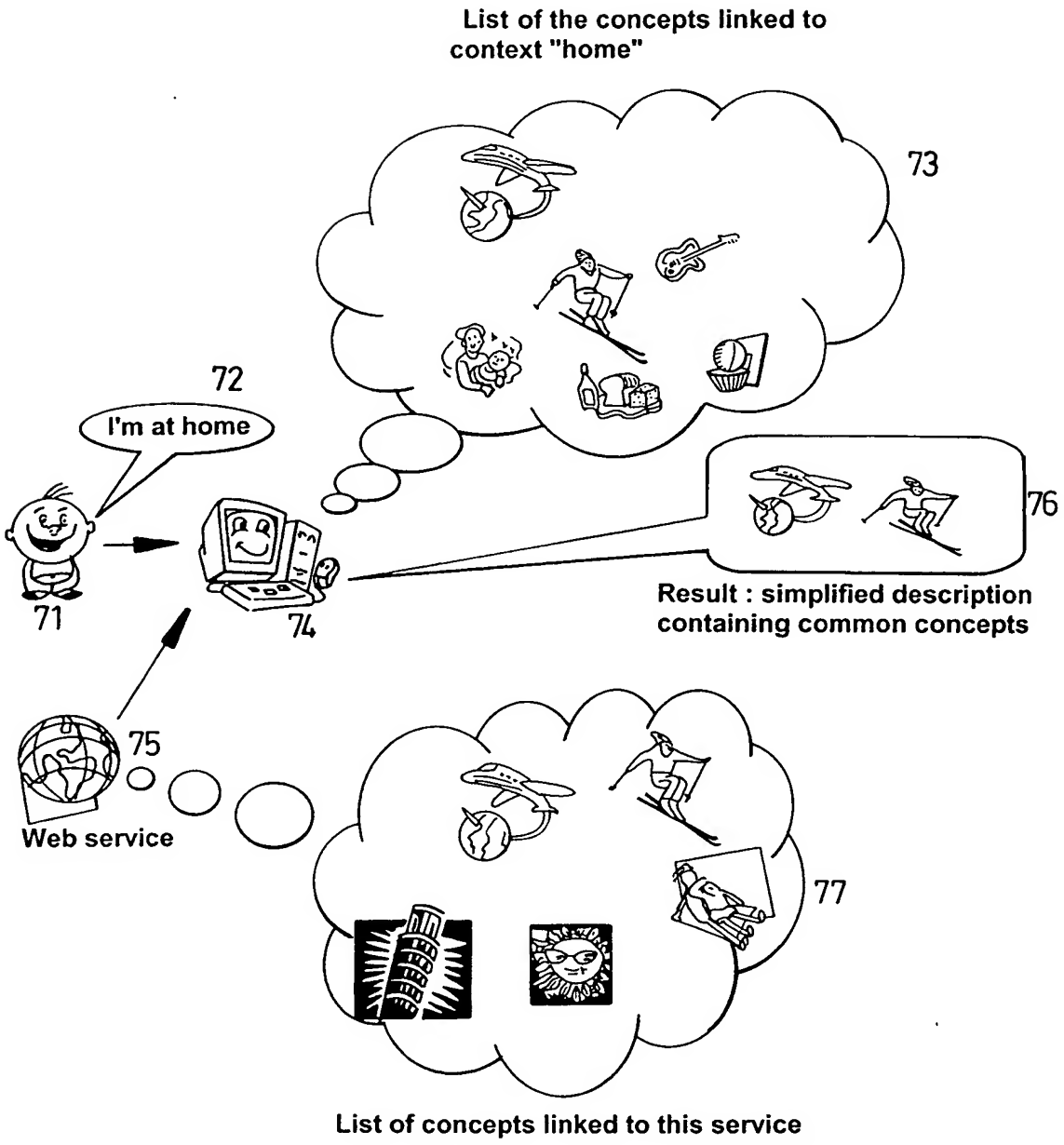

List of the concepts linked to context "home"
73
72
I'm at home
71
74
76
Result : simplified description containing common concepts
75
Web service
77
List of concepts linked to this service

Fig. 6

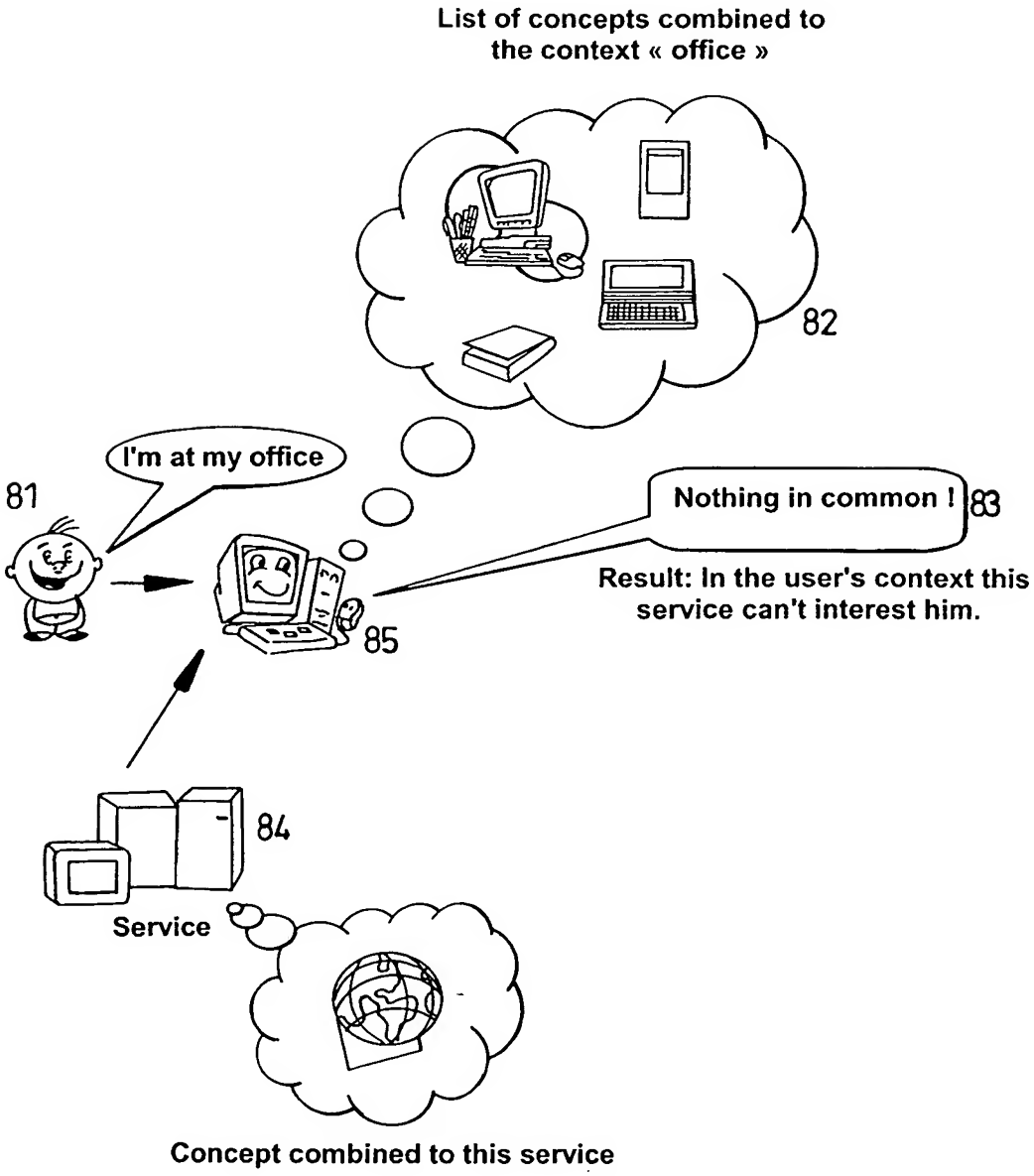

List of concepts combined to the context « office »
82
I'm at my office
81
Nothing in common !
83
Result: In the user's context this service can't interest him.
85
84
Service
Concept combined to this service

Fig 7

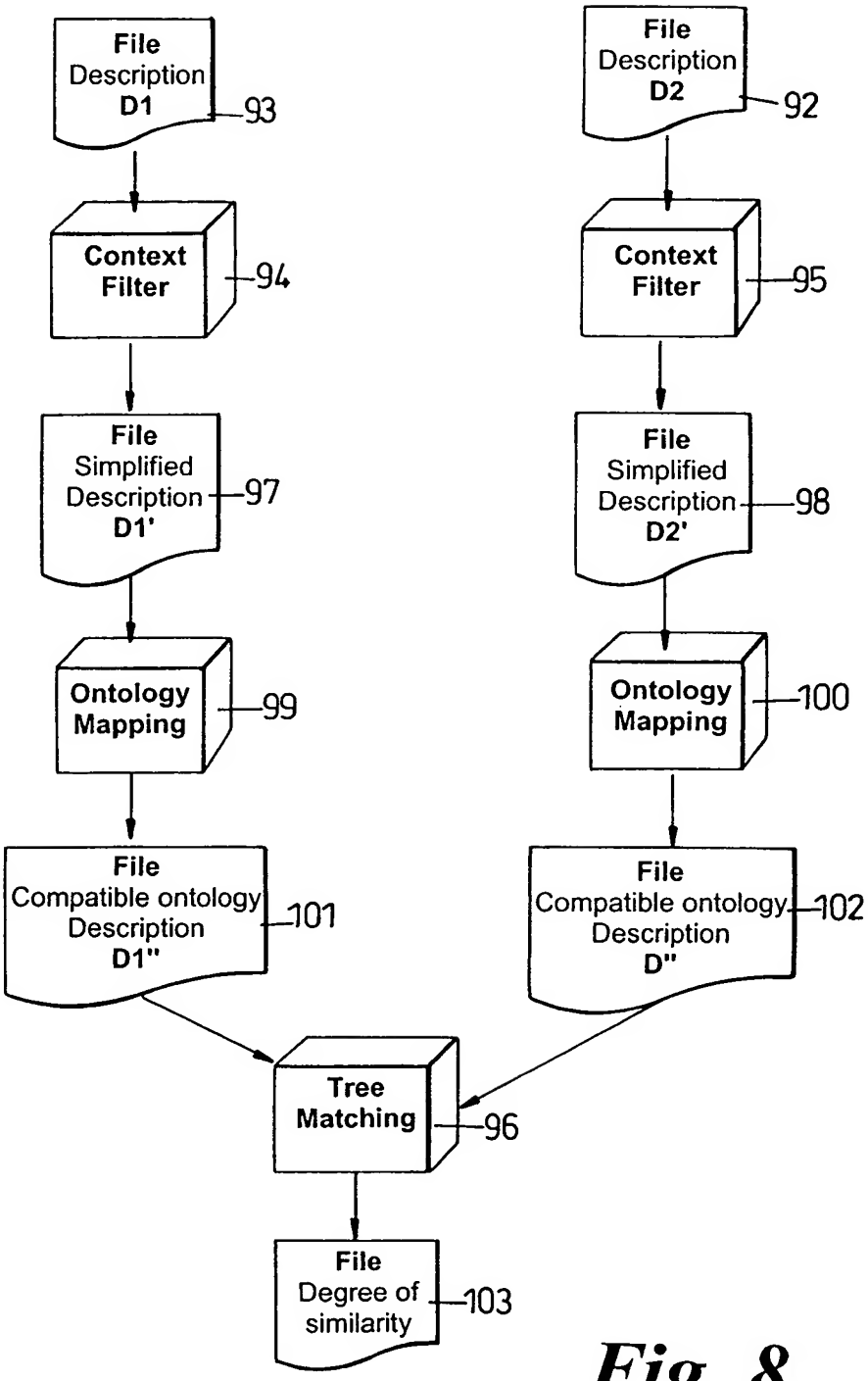
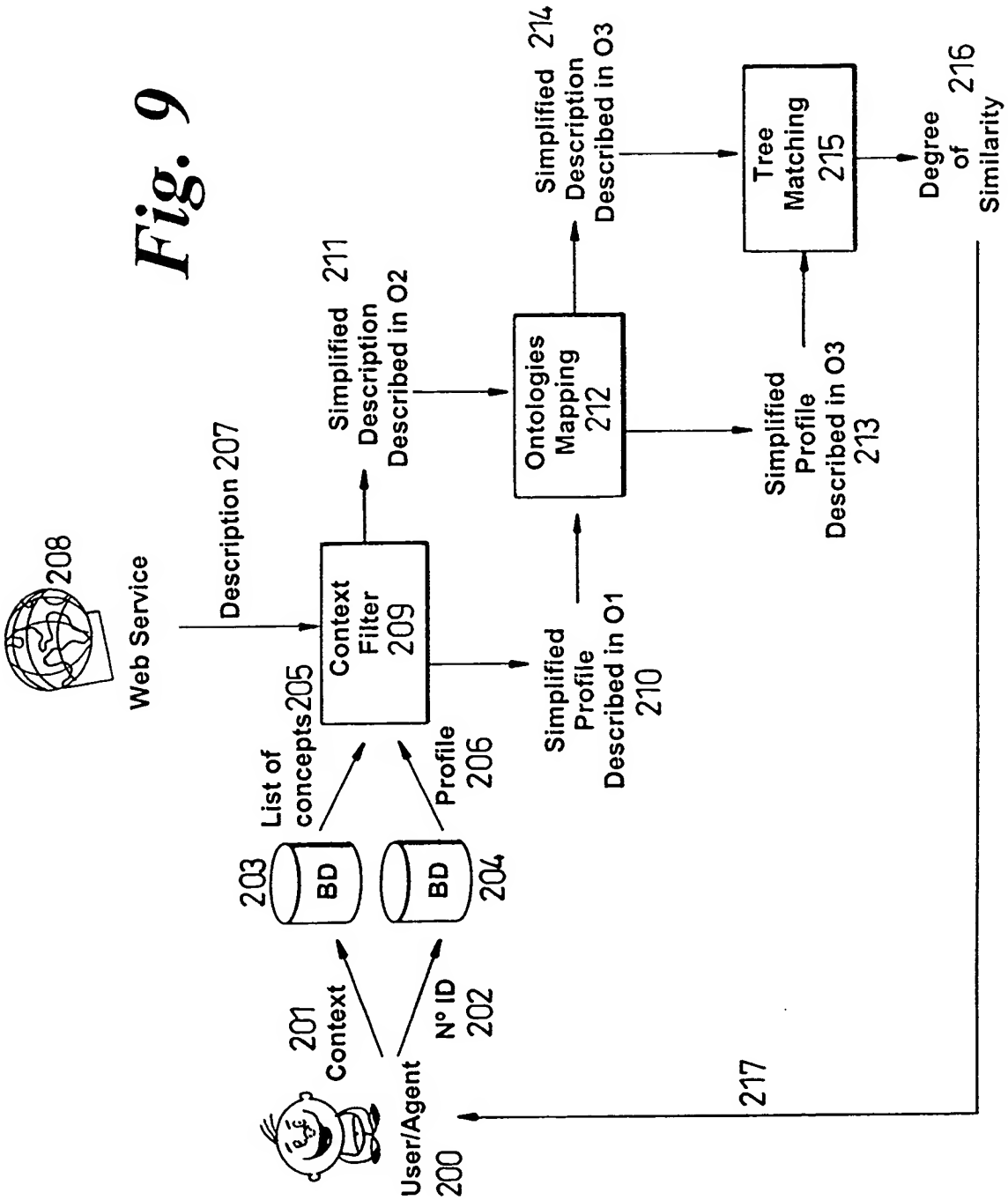

File Description D1
93
File Description D2
92
Context Filter
94
Context Filter
95
File Simplified Description D1'
97
File Simplified Description D2'
98
Ontology Mapping
99
Ontology Mapping
100
File Compatible ontology Description D1"
101
File Compatible ontology Description D"
102
Tree Matching
96
File Degree of similarity
103

Fig 8

Fig. 9


User/Agent
200
201
Context
N° ID
202
203
BD
204
BD
List of concepts 205
Profile
206
Web Service
208
Description 207
Context Filter 209
Simplified Description Described in O2
211
Simplified Profile Described in O1
210
Ontologies Mapping 212
Simplified Description Described in O3
214
Simplified Profile Described in O3
213
Tree Matching 215
Degree of Similarity
216
217